

an input buffering means, coupled to said video tape recording means and said disc recording means, for buffering said reproduced video data;  
an output buffering means, coupled to said video tape recording means and said disc recording means, for buffering said edited video data; and  
a buffer control means, coupled to said input buffering means, said output buffering means, and said disc recording means, for controlling recording and reproduction of said disc recording means according to respective remaining capacities of said input and output buffering means.

30. The video data recording and reproducing system according to claim 16, wherein said data transfer circuit includes:

a write buffer circuit, coupled to said video tape recorder and said disc recorder, said write buffer circuit configured to buffer said reproduced video data;  
a read buffer circuit, coupled to said video tape recorder and said disc recorder, said read buffer circuit configured to buffer said edited video data; and  
a buffer control circuit, coupled to said input buffer circuit, said output buffer circuit, and said disc recorder, said buffer control circuit configured to control recording and reproduction of said disc recording means according to respective remaining capacities of said input and output buffer circuits.

#### REMARKS

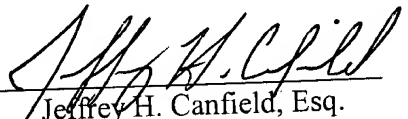
The present Preliminary Amendment is being filed as submission according to 37 C.F.R. §1.114, along with a Request for Continued Examination and the requisite fee. Claims 10-16 and 20-30 are pending in the application. Of these, claims 14, 23, 26 are cancelled with the present submission. Of the remainder claims, claims 10, 11, 16, 28, and 36 have been amended to more clearly distinguish the invention over the prior art. Applicants note that the art of record

does not teach or suggest at least a digital transfer circuit for transferring digital video data between each of a digital video tape recording means. A disc recording means and a digital input/output device at first and second data rates as now called for in independent claims 10, 11 and 16. For this reason, Applicants respectfully submit that all of the remaining claims pending are now in condition for allowance.

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned "Version with Markings to Show Changes Made."

Respectfully submitted,

BELL, BOYD & LLOYD LLC

BY   
Jeffrey H. Canfield, Esq.  
Reg. No. 38,404  
P.O. Box 1135  
Chicago, Illinois 60690-1135  
Phone: (312) 807-4233

**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

**In the Claims:**

10. (Twice Amended) A video data recording and reproducing system for editing a source video data, said system comprising:

a digital video tape recording means for digitally recording a source video data onto a tape medium [with] at a first data rate during a source video data recording period and for reproducing recorded [source] video data from said tape medium [with] at said first data rate and at a second data rate which is [higher] faster than said first [transfer] data rate to generate reproduced video data;

a disc recording means for recording said reproduced recorded video data onto a disc medium [with] at said second data rate so that said source video data [is] may be copied from said tape medium to said disc medium during a transfer period which is shorter than said recording period of said source video data; [and]

a digital data transfer circuit for transferring digital video data between each of said digital video tape recording means said disc recording means, and a digital input/output device at said first and second data rates;

an editing means for controlling a reproducing operation of said disc recording means to generate [and] edited video data [including] which include a plurality of edit portions [which is] designated by an editing operation from said [source] video data recorded on said disc medium, and

wherein said editing means controls said reproducing operation of said disc recording means and said recording operation of said digital video tape recording means so that said edited video data [is] may be reproduced from said disc medium [~~with said second data rate and~~ controls said recording operation of said video tape recording means so that said edited video

~~data reproduced from said disc recording means is~~ and recorded on said tape medium [with] at said second data rate.

11. (Twice Amended) A video data recording and reproducing system for editing a source video data, said system comprising:

a digital video tape recording means for digitally recording a source video data onto a tape medium [with] at a first data rate during a source video data recording period and for reproducing recorded [source] video data from said tape medium [with] at said first data rate and at a second data rate which is [higher] faster than said first [transfer] data rate to generate reproduced video data;

a disc recording means for recording said reproduced recorded video data onto a disc medium [with] at said second data rate so that said source video data [is] may be copied from said tape medium to said disc medium during a transfer period which is shorter than said recording period of said source video data; [and]

a digital data transfer circuit for transferring digital video data between each of said digital video tape recording means said disc recording means, and a digital input/output device at said first and second data rates;

an editing means for controlling a reproducing operation of said disc recording means to generate [an] edited video data [including] which include a plurality of edit portions [which is] designated by an editing operation from said [source] video data recorded on said disc medium,

wherein said editing means controls said reproducing operation of said disc recording means and said recording operation of said digital video tape recording means so that said edited video data [is] may be reproduced from said disc medium ~~[with said first data rate and controls~~

1st  
2nd  
Fast

~~said recording operation of said video tape recording means so that said edited video data, reproduced from said disc recording means is] and recorded on said tape medium [with] at said first data rate.~~

16. (Amended) A video data recording and reproducing system for editing a source video data, said system comprising:

a digital video tape recorder configured to digitally record a source video data onto a tape medium [with] at a first data rate during a source video data recording period, and configured to reproduce recorded [source] video data from said tape medium [with] at said first data rate and at a second data rate which is [higher] faster than said first transfer rate to generate reproduced video data;

a disc recorder configured to record said reproduced recorded video data onto a disc medium [with] at said second data rate so that said source video data [is] may be copied from said tape medium to said disc medium during a transfer period which is shorter than said recording period of said source video data;

a digital data transfer circuit for transferring digital video data between each of said digital video tape recording means said disc recording means, and a digital input/output device at said first and second data rates;

an editing designation circuit configured to control a reproducing operation of said disc recorder to generate [an] edited video data [including] which include a plurality of edit portions [which is] designated by an editing operation from said [source] video data recorded on said disc medium; and

1st  
2nd  
Faster

a control circuit, coupled to said video tape recorder, said control circuit configured to control a recording operation of said video tape recorder to record said edited video data.

22. The video data recording and reproducing system according to claim 10,

wherein said video tape recording means has a first operation mode for recording said video data with said first data rate and for reproducing said video data with said first data rate and a second operation mode for recording said video data with said second data rate and for reproducing said video data with said second data rate;

wherein said disc recording means has a first operation mode for recording said video data with said first data rate and for reproducing said video data with said first data rate and a second operation mode for recording said video data with second data rate;

wherein said editing means controls said operation mode of said video tape recording means and said operation mode of said disc recording means.

25. The video data recording and reproducing system according to claim 16,

wherein said video tape recorder has a first operation mode for recording said video data with said first data rate and for reproducing said video data with said first data rate and a second operation mode for recording said video data with said second data rate and for reproducing said video data with said second data rate;

wherein said disc recorder has a first operation mode for recording said video data with said first data rate and for reproducing said video data with said first data rate and a second operation mode for recording said video data with said second data rate and for reproducing said video data with said second data rate;

wherein said editing designation circuit is further configured to control said operation mode of said video tape recording means and said operation mode of said disc recording means.

28. The video data recording and reproducing system according to claim [14] 11, wherein said data transfer [means] circuit includes:

an input buffering means, coupled to said video tape recording means and said disc recording means, for buffering said reproduced video data;

an output buffering means, coupled to said video tape recording means and said disc recording means, for buffering said edited video data; and

a buffer control means, coupled to said input buffering means, said output buffering means, and said disc recording means, for controlling recording and reproduction of said disc recording means according to respective remaining capacities of said input and output buffering means.

29. The video data recording and reproducing system according to claim [23] 10, wherein said data transfer means includes:

an input buffering means, coupled to said video tape recording means and said disc recording means, for buffering said reproduced video data;

an output buffering means, coupled to said video tape recording means and said disc recording means, for buffering said edited video data; and

a buffer control means, coupled to said input buffering means, said output buffering means, and said disc recording means, for controlling recording and reproduction of said disc

recording means according to respective remaining capacities of said input and output buffering means.

30. The video data recording and reproducing system according to claim [26] 16, wherein said data transfer circuit includes:

a write buffer circuit, coupled to said video tape recorder and said disc recorder, said write buffer circuit configured to buffer said reproduced video data;

a read buffer circuit, coupled to said video tape recorder and said disc recorder, said read buffer circuit configured to buffer said edited video data; and

a buffer control circuit, coupled to said input buffer circuit, said output buffer circuit, and said disc recorder, said buffer control circuit configured to control recording and reproduction of said disc recording means according to respective remaining capacities of said input and output buffer circuits.